



Westinghouse
Electric Corporation

Energy Systems

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NSD-NRC-96-4848
DCP/NRC0627
Docket No.: STN-52-003

October 16, 1996

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

ATTENTION: T. R. QUAY

SUBJECT: UPDATED AP600 FISSION PRODUCT TRANSPORT CALCULATIONS
AND FISSION PRODUCT SOURCE RATES

Dear Mr. Quay:

Two enclosures are provided in this letter pertaining to AP600 Fission product transport calculations and fission product source rates.

Enclosure 1 AP600 fission product transport calculations, as requested by the NRC for the AP600 containment pH assessment by Oak Ridge National Laboratory, was previously transmitted to the NRC in Westinghouse letter NTD-NRC-94-4308, dated September 23, 1994. The transient information was taken from the MAAP4 analysis for case 3BE, base of revision 1 of the AP600 Probabilistic Risk Assessment (PRA).

Enclosure 1 of this letter is the updated transient information which corresponds to Revision 8 of the AP600 PRA. This updated data is taken from the MAAP4 analysis for Case 3BE-2 as presented in PRA Chapter 34, subsection 34.4.1.2. Please send a copy of this updated information to Mr. C. F. Weber of Oak Ridge National Laboratory for his use in the AP600 containment pH assessment.

Enclosure 2 Request for Additional Information 470.21 requested information regarding fission product source rates into the various compartments in the containment and the distribution of the fission product groups throughout a transient sequence. The requested information was transmitted in an attachment to Westinghouse letter NTD-NRC-95-4431, dated April 7, 1995. This information has been updated to correspond with Revision 8 of the AP600 PRA and is provided as Enclosure 2.

The Westinghouse Electric Corporation copyright notice, proprietary information notice, application for withholding and affidavit are attached.

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October 16, 1996

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Correspondence with respect to the application for withholding should reference AW-96-1022, and should be addressed to Brian A. McIntyre, Manager of Advanced Plant Safety and Licensing, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania, 15230-0355.

Please contact Cynthia L. Haag on (412) 374-4277 if you have any questions concerning this transmittal.


Brian A. McIntyre, Manager
Advanced Plant Safety and Licensing

/nja

Enclosures

cc: B. Huffman, NRC (1 copy enclosures 1 and 2)
N. J. Liparulo, Westinghouse (w/o enclosure)

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